

BOOTERS TO PLAY HUSKIES TOMORROW AFTERNOON AT TWO

**Institute's Defense Expected
To Play Big Role in Game
With N. U.**

N. U. BEATEN BY HARVARD

Tomorrow afternoon, the Engineer soccer team will meet Northeastern University on the Huntington Field at 2 o'clock. The squad has been practicing regularly every evening smoothing out the machine that played its best game this season against Harvard last Tuesday on the Coop Field.

Technology's defense will play a big part in winning tomorrow's game. Captain Hess, center forward on the Northeastern eleven, with Tiffany, outside left will undoubtedly lead the offense against the Beavers, and their records this season make them the main threats of the Husky eleven. The forward line of the Technology team should have little trouble scoring against the Northeastern defense, which has been weak.

Beaten by Harvard

In their game with Harvard, the Husky booters were routed 5 to 1, their defense being unable to withstand the strength of the Crimson offense. Last Saturday Northeastern lost its game to Clark 2 to 1, after a hard fought game in which Clark showed a much better defense line, holding the Huskies to one goal.

Frosh Play Quincy

Tomorrow afternoon the frosh will play Quincy High, on the Quincy field in their fourth game this season. The Quincy High eleven has not been defeated in two years, and is one of the strongest high school teams in the east. The yearlings have been practicing regularly with the Varsity, but the Quincy team is favorite to win the game because of their record of victories.

Experts Predict an Overwhelming Triumph for THE TECH Gridsters

**Scribes Confident and Ready
For Their Annual Game
With 'sniques**

The great day draws near with the powerful football aggregation of THE TECH, anxiously awaiting the whistle that will send them out into the dust of Tech Field to trammel over the makeshift eleven of the 'sniques. Never before in the history of America has a team been represented by such a collection of stars. All-American writers, dazzled by the potential ability of THE TECH's gridsters, find themselves, in a strange, and to them, unique position, for the sheer brilliance of the new players has forced them to grant a position on their mythical elevens to each and every member of THE TECH team. Such men as Albie Booth of Yale, Al Marsters of Dartmouth, Chris Cagle of the Army, and Joe Savoldi of Notre Dame, find themselves relegated to the background as the experts pick their tams.

Greatest Team in History

No member of THE TECH can easily forget their memorable victory over Yale's wonder team, nor their smashing triumph over Notre Dame. It is reported that several of the teams, crushed by THE TECH steamroller, have disbanded for the season, while coaches and faculty men alike, tear their hair and solemnly swear, that never again, will they allow their teams to meet THE TECH on the gridiron. College coaches throughout the country are unanimous in their opinion, that there is no college or professional team in the country with the power or ability to afford any real opposition to THE TECH gridsters. It is freely predicted final whistle has blown, with THE book team to such an extent that the members of this year's 'snique team will never don the moleskins again.

The fame of the scribes has spread far and near, and thousands upon thousands of impartial fans, assembled from every corner of the world, will

Dorm Men Gather At Prospect Hall For First Smoker

**Feminine Entertainers Provide
Hilarious Evening of
Song and Dance**

Smokes, eats, songs, cheers, and entertainment aplenty, featured the dormitory get-together Wednesday night at Prospect Hall, Cambridge. The attendance was large, the hall being crowded to the limit, and Miss Alyce Seimans, Mistress of Ceremonies for the evening, proved an instantaneous hit, judging from the applause.

Supporting Miss Seimans, were seven other featured performers, the Misses Nellie Caulor, Ethel St. Clair, Eleanor Anderson, Helen Feaney, Flo Yohe, Alice Lang, and Mr. Jimmie Harvey, all of whom were received with enthusiasm.

Starting soon after 7:45, with the usual rousing cheers, rendered in true dorm fashion, the meeting was soon underway, Harold Plant, '30, Chairman of the Smoker Committee, saying a few words and then turning the meeting over to Donald Diefendorf, '30, recent leader of the freshmen meetings in Ware, who then led the cheers.

Miss Alyce Seimans, Mistress of Ceremonies was then introduced, and the real entertainment of the evening was soon underway, singing, dancing, and specialties being on the program, with the dancing acts being by far the most popular. The seats were arranged in an oval, the singers and dancers performing their acts in the center of the oval.

Following the intermission, Professor Leicester Hamilton, '14, head of the Dormitory Board, explained the functioning of the board in its relations to the dormitory inhabitants. The Dormitory Rules were also explained in brief, by the Dormitory Head.

Following the custom, instituted at the A.I.Tech Smoker this year, the Stein Song was not sung at the conclusion of the meeting, the meeting concluding with a rush for the exits rather than in singing the former school song.

be here for the slaughter. When the final whistle has blown, with THE TECH team, properly victorious, these fans will wend their way homeward, to hold to the end of their days, the memories of the greatest team in history. The game itself will be a fireside topic for many a year, handed down from generation to generation, with the ultimate result, that in years to come, men will maim and kill one another for the privilege of playing on THE TECH eleven.

It is rumored that members of Technique will pay a flying visit to New York in an attempt to interest Red Grange, Ernie Nevers and Gus Sonnenberg in the forth-coming battle. Dame Rumor says, also, that the delegates will be well supplied with hard, cold cash, with which they hope to entice these professional stars to don the jerseys of the 'snique aggregation.

But the gladiators of THE TECH, confident that they cannot be beaten, smile knowingly, reminding the correspondent that this is an old trick of the lowly yearbook-ites, and they point with pride to last year's epic meeting, when despite rumors that imported "ringers" would crush their fighting eleven, the scribes went determinedly into the fray to emerge with a 31 to 0 triumph.

Scribes are Confident

THE TECH team looks expectantly forward to the annual banquet held after every game. Already the worried 'sniques are scraping together all of their ready money, for one of the features of the banquet is that the bill must be settled by the losers.

Don't forget the date, Wednesday, November 20, 1929 at 2:30, and the place, Tech Field. Professional bookmakers are already posting 100 to 1 odds on THE TECH, and their money goes begging. Although, the game is not scheduled until 2:30, it is expected that every seat will be filled long before sunrise, since many rabid fans are preparing already to bring lunches and blankets to help them spend a comfortable night in the stands.

\$1000 MORE NEEDED FOR COMPLETION OF T. C. A. BUDGET IN 1929 DRIVE

HILL-AND-DALERS TO MEET WILDCATS AT FRANKLIN PARK

**Visitors Have Met Springfield
Training School, Army,
And Harvard**

N. H. WON IN LAST MEET

When the Technology cross-country teams meet New Hampshire at Franklin Park tomorrow afternoon they will be up against the veterans of three meets thus far this fall. Army, Harvard, and Springfield Training School are the opponents they have met this season. Hazen has shown up the best for the Wildcats in all three starts.

In the Harvard meet, Hazen took first place in 28 minutes, 51 seconds. Lazure was right behind him to take second, while Noyes took eighth place. In both the Springfield Training and the Army meets Hazen took second place. The New Hampshire freshman team did well in their meet with Harvard, when Auberg took third place while Demouplid, Roberts, and Dodge took fifth, sixth, and seventh respectively.

M. I. T. Won First Meet

The Engineers have been in only one meet this year, when both Varsity and freshmen were victorious, winning from Holy Cross. Last year the fast New Hampshire team won both races from Technology by rather large margins. The Varsity encounter ended with the Wildcats in front by a score of 20 to 39, while the freshmen finished with the New Hampshire yearlings leading 19 to 37. Captain Thorsen of the Engineer team took first place in the Varsity race in 30 minutes and 1/5 of a second. The ground was soggy for the race, due to a downpour of rain the previous day.

Race Was Close

Thorsen led the field for the first two miles, but at the four mile mark he was in third place. The last mile was a hard-fought struggle. Two New Hampshire runners lost the track because of the heavy fog and thus lost valuable time. When the runners appeared in the stretch, Thorsen was in the lead by about twenty yards, with Howard of New Hampshire next in line. After a gruelling sprint down the final stretch the men finished in the same positions. Five more Wildcats followed Howard across the line to take the best scoring places.

Freshmen Get Lost

In the freshman race last year all the runners but two lost the course and followed a shorter course. The fog was so thick that, unless the men were familiar with the course, they would have lost the way. The two men that did not follow the short course finished far in the rear of the other runners. The New Hampshire freshman team last year took first place in the N. E. I. C. A. A. cross country run.

November 11 Declared Holiday at Institute

Monday, November 11, has been proclaimed as an official holiday. This date was not included in the holidays listed in the Institute calendar and consequently will no doubt come as a pleasant surprise to many. Being so advantageously placed, it will provide an opportunity for many students to do some heavy "weekending." Incidentally, some will welcome this holiday as a chance to catch up on their work after the heavy round of social activities.

Contest Planned For Experience In Stock Trades

**Corporation Fifteen Arranging
Competition in Better
Speculations**

Corporation XV is planning to run another contest in the buying and selling of stocks and will commence on Tuesday, November 12, with the allowance of a \$10,000 investment.

The contestants will be allowed to carry five stocks at any one time, but they may make only thirty transactions in trade during the course of the competition. Only those stocks which are listed on the New York Stock Exchange will be credited as points towards the contest.

As an added incentive a prize of real value is being offered. This will be a share of some good stock which has a value of approximately \$25.

All transactions must bear the date and the name of the transactor, and should be put in a box which will be placed in front of Room 1-180. These must be in by 10:00 on the morning following the transaction. Only the closing price of the stock for the day will be considered for credit.

This contest will be held for the members of Corporation XV only. Instructions in regard to the contest will be given out in full detail from the box in front of Room 1-180 on Tuesday, November 12, for all those interested.

INDEX FACILITATES MAGAZINE RESEARCH

**Library Staff Completes Work
Of Listing Periodicals**

The cataloging staff of the Central Library have completed, after many months of careful labor, a periodical index, that can be kept up to date always. The one at the delivery desk in the main reading room shows all the periodicals currently received by the Institute Library, including the departmental branches. This shows not only the name of the magazine, but also the volume, date, and where it is located.

The index in the stacks shows all the periodicals ever received by the Library whether now taken or not. This file when completed will cover several thousand titles. Many periodicals that are not in the library collection can be borrowed for the students from other libraries.

F. E. WINSOR SPEAKS AT A. S. C. E. SUPPER

**Civil Engineering Society
Holds First Meeting**

A supper meeting was held by the Civil Engineering Society, Wednesday evening in North Hall, Walker. After the supper the members were addressed by the guest of honor.

Professor Charles M. Spofford, '93, gave a short address on the history of the society. Then Professor John B. Babcock, '10, introduced the speaker of the evening, Mr. Frank E. Winsor, Chief Engineer of the Metropolitan District Water Supply Commission.

Mr. Winsor gave an illustrated lecture on the Swift River Valley Reservoir. This reservoir is the first major addition to the Metropolitan District Supply within twenty five years. One of the features of his talk was a tunnel twenty five miles in length.

Gordon Shellard, '31, and Rolf Ellissen, '32, were awarded subscriptions for one year to the Engineering News Record. This award is made to the Sophomore and Junior attaining the highest grades in Civil Engineering.

MAIL SOLICITATION NOT YET ANSWERED BY 1900 STUDENTS

**Extra Effort to Collect Rest
Of Money Needed for
Drive Goal**

END COMES AT 5 O'CLOCK

Being \$1000 short of the quota set for this year the T. C. A. solicitors will make a final spurt until 5 o'clock Friday. The mail solicitation is not bringing in as much as was expected, but a special effort will be made today to reach the \$4300 goal.

Since 1900 of the men to whom mail subscriptions were sent have not as yet answered, it was necessary on Wednesday night to write to this number. The letter requested the men, if they were unable to donate, to return the material to keep the records at the office straight.

The opening day of the drive netted \$2538 which is more than in any other year. This was due to the fact that the fraternities were solicited and completely covered on the night of November 4. The money was collected from the dormitories at that time by men appointed to this position, but they still have been unable to reach many of their men.

In size the donations are quite large. There are one fifty dollar, two twenty-five dollar, and four twenty dollar donations. The amounts which make the sum as large as it is are the five and ten dollar donations which are quite numerous. The free lances will attempt to gather everything they are able before the end of today, to support the new features which T. C. A. has installed.

Some of the Y. M. C. A. basic memberships have already been used as part payment of the athletic membership. Others are just enjoying the social membership which requires no extra amount if a gift of \$5 for the Boston "Y" and \$3 for the Cambridge Y. M. C. A. has been made.

ANNOUNCE RATINGS IN FINANCIAL DRIVE

**Present Listings of Fraternities
and Dorms Made Public**

Following is the list of fraternity and dormitory ratings in the T. C. A. financial drive, as the figures stood at 5 o'clock yesterday afternoon. The points represent the total amount contributed by each unit divided by the number of men living in that fraternity or dormitory.

Name	Points
Phi Beta Epsilon	7.2
Kappa Sigma	6.6
Sigma Omega Psi	5.8
Psi Delta	5.0
Phi Sigma Kappa	4.5
Sigma Nu	4.1
Alpha Tau Omega	4.1
Sigma Alpha Mu	4.0
Lambda Chi Alpha	4.0
Alpha Kappa Pi	3.8
Sigma Chi	3.8
Theta Delta Chi	3.5
Delta Tau Delta	3.0
Phi Beta Delta	3.0
Chi Phi	2.9
Phi Gamma Delta	2.7
Theta Xi	2.5
Beta Theta Pi	2.1
Theta Chi	1.9
Delta Upsilon	1.7
Tau Delta Phi	1.0
Crafts	3.7
Nichols	3.5
Section D	2.4
Section F	1.7
'01	1.2
Section E	1.1
Atkinson	1.0
Holman	.9
'93	.8
Ware	.8
Runkle	.5

T.C.A. DRIVE ENDS TODAY---GET IN

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OPPORTUNITY KNOCKS

TONIGHT brings to a close the annual drive for funds of the Technology Christian Association. While the drive commenced with greater activity than that of last year, the slump which followed the first day brought the total receipts last evening only to \$3300, which lacks \$1000 of the goal set.

Last year the amount contributed mounted to far above the sum asked for. Fraternities, because of the competitive spirit among them, have responded excellently. If the dormitories could generate an equivalent spirit, the receipts would soar far above the amount desired. Commuters have received appeals through the mails, and have given very well, considering the method of approach. To those who are still among the non-contributors, it should be kept in mind that the drive has but a few hours to go, and the chance to support one of Technology's most worthy activities should not be neglected.

A CLOSED CHAPTER

THE two contributions to the "Open Forum" column may be taken for what they are worth, but not as official opinion. As the freshman says, the matter is closed for now. The M. I. T. A. A. is at last at work on a formal proposal, together with a revision of rules for the actual Glove Fight, aiming towards some fairer method of scoring the gloves.

Many phases of this year's Field Day were badly managed, but this is not a time for laying blame on students or alumni. The horse is stolen, and we can only lock the stable. Our experience should be invaluable in future years, and should usher in much-needed reforms in the annual underclass contest.

As We See the Movies

THE METROPOLITAN

Anyone who has enjoyed in the least the past successes of George Bancroft will be more than pleased with his latest contribution, "The Mighty" playing this week at the Metropolitan. He was fine in "Underworld," his portrayal of the ruthless business giant in the "Wolf of Wall Street" was capital, he has starred in a number of big productions, but "The Mighty" is the best of all.

The picture is the latest addition to Paramount's series of "New Show World" productions. One of the finest of the lot, "The Mighty" incorporates all the points a good movie should have. Plenty of action, well-done love interest, comedy relief from stirring suspense, speed that carries one breathless to a dramatic climax, all these are held together in a firmly knit plot.

Cast with George Bancroft are a number of other stars famous in their own right. Playing opposite him is beautiful Esther Ralston, remembered in several fine pictures. Walter Oland has one of the leading roles, and Raymond Hatton injects his artistry for comedy at just the right points. Dorothy Revier, whose latest film work was "The Dance of Life," is also featured.

Metropolitan audiences will welcome a new-comer to that stage—Morton Downey, whom press agents have named "the golden-voiced personality." For once they are right, and we hope that his future offerings will be as pleasurable. The stage show in which he participates is called "Novelties," and is that, if nothing more. On the stage are Joseph K. Watson, a clever comedian, Val & Marion Vestoff (pants on, however) rather good in their trick dancing number, the Shickel Marionettes, more than the usual run, and Anna Chang, the Chinese exponent of modern jazz.

As We Like It

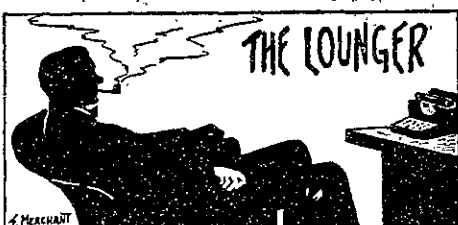
"THE PERFECT ALIBI"—THE PLYMOUTH

A truly unique mystery play is the offering at the Plymouth, this week and next, in A. A. Milne's "The Perfect Alibi." A murderer who is gentle from start to finish and John Law appearing in the form of persons of utmost consideration for the feelings of everyone concerned in the calamity are other remarkable features.

The murder is performed right before the eyes of the audience and there is never any question about the identity of the murderer. An unspeakable departure from the standard methods and yet the thing works and the line of interest and suspense is splendidly maintained to a really climactic final scene.

Vivian Tobin as Susan Cunningham makes a fascinating Sherlock Holmes and her conversance with the modern detective story is presented as a rather half hearted apology for such remarkable perspicacity as she evidences in the solution of the mystery. Although the stupidity of a well meaning English rural "constable" is rather overdrawn, the study of his son as an efficient inspector for Scotland yard is an excellent example of Milne's craftsmanship. The whole piece is a remarkable example of Milne's best work in his use of little details for bringing out the personalities his characters are meant to represent.

We note in a book review in the "McGill Daily" the following passage: "The author . . . has collected all the known facts . . . and has stated them with a clearness which is remarkable in a man of science."



It's an ill wind that blows no good to a member of the Interfraternity Conference, observes the Lounger with the recent voting away of \$400 for the uses of the crew by this body. Perhaps it would help if the future delegates to the conference were T. C. A. men.

One of the most interesting sights on the campus, whispered one of the Lounger's friends the other day, is Professor Fales struggling with choke, spark, clutch, and gears on that Gram-Paige.

As a forecast of the coming styles, the Lounger wishes to announce that Professor Douglass of the Math department has been observed in a jaunty new Scotch plaid cap. This is intended as a timely tip to undergraduates.

As the Lounger was wandering aimlessly around on Field Day, hoping for a challenge from an innocent Sophomore or freshman, he suddenly found himself confronted by a familiar visage, which he remembered as belonging to none other than Lou O'Malley. That we should be honored by the return of such a notable character is indeed fortunate.

Br-r-r! The Lounger just can't repress a shuddery shiver in sympathy with those lads who must suffer in hand-rubbing patience while chill breezes raise goose-pimples where the vertebrae grow. Is the Major trying to lend atmosphere to Berry's refrigeration lectures, or is it that business must be stimulated at the Infirmary? Whatever may be the whys, the Lounger knows plenty of lads—and real he-men too—who would like to see a few less icicles in the vicinity of Room 10-275 mornings.

THE OPEN FORUM

A Sophomore Opinion

Editor of THE TECH

Dear Sir:

Although a Sophomore, I believe that the Advisory Council, with due respect to its authority, acted very indiscreetly in its announcement that the Glove Fight would not count a point, as had been decided by the Institute Committee. For the last month we had all known just how many points each event was to count and were satisfied with the arrangements. By this system the outcome was decided in favor of the Frosh in the last event, that mauling Glove Fight. Their victory was a hard one and featured on both sides by clean sportsmanship and good spirit.

We felt that 1933 had won, although the outcome was exceedingly close, and that was all there was to it. However, with the ill-timed statements of the Advisory Council, who, had they really been interested enough, could have communicated with the Institute Committee and have found out just what the plans and arrangements for Field Day were, the freshmen were keenly disappointed, which case would have been the same with us were conditions reversed.

As it is, we feel no real satisfaction as we would have felt, had we won as per agreement. The deed is done now, but a recurrence of a similar nature will be a deterring factor to the making of Field Day one of the high spots in Technology life.

J. E. H. '32.

Editor of THE TECH

Dear Sir:

I believe that the misunderstanding concerning the scoring of Field Day points was very well cleared up in Monday's issue of THE TECH.

Understand, please, that I am not beefing about the Sophomores' victory. I notice in a little square on the front page of Monday's TECH a little article about freshmen thinking the change in scoring peculiar.

After the glove fight I lingered near a group of the marshals to hear their opinions. I overheard this conversation: "Flivver" Ford: "It seems that the freshmen won the glove fight by two gloves." Marshal: "Then that makes it a tie."

Ford: "No, that five points for the football game is a misprint; it should be four points, and the freshmen won." To my certain knowledge these men considered the freshmen victorious, and to the best of my belief every one else on the field thought the same.

How did it happen that these upperclassmen, who should know, make errors like that? It is very odd that the program should have a point system that differed from both old and new systems, and no announcement was made to correct it.

I grant that the Advisory Council has made the correct ruling, but someone made a slip that would have been much better unmade.

F. R. H. '33.

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Record No. 1930-D 10 in., 75c
SOPHOMORE PROM (from Metro-Goldwyn-Mayer's
"So This Is College") } Vocals
REACHING FOR SOMEONE AND NOT FINDING }
ANYONE THERE } Ukulele Ike (Cliff Edwards)

Record No. 1933-D 10 in., 75c
MY LOVER (Master of My Heart) (from Motion Picture
Production "Paris") } Vocals
I WONDER WHAT IS REALLY ON HIS MIND (from Mo- }
tion Picture Production "Paris") } Irene Bordoni

Record No. 1979-D 10 in., 75c
I DON'T WANT YOUR KISSES (If I Can't Have Your
Love) from Metro-Goldwyn-Mayer's "So This Is
College") } Fred Rich
UNTIL THE END (from Metro-Goldwyn-Mayer's "So
This Is College") } and
This Is College") } His Orchestra

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End of Next Week Will See Tennis Tourney Playoff

Dame Advances to Finals, With Other Players Resting For Last Dash

Within a week Technology will have a new tennis champion. Dame defeated Ross 6-2, 1-6, 8-6 in the semi-finals and will meet the winner of the Wigglesworth-Cleary match for the crown and the silver loving cup presented each year to the victor. Unfortunately, Doleman, winner last year, was forced to default. Doleman was seeded number one, but Wigglesworth, Cleary, and Dame were seeded in the order named which indicates how well the list was made up. Ross advancing to the semi-finals, remained in the tournament longer than any other non-seeded player.

Little Interest in Doubles
Doubles teams, seemingly unaware of the passing time, have remained idle, with two exceptions. Searles and Studley defeated Allen and Warren 6-2, 6-0. This is the first year for the doubles matches, but instead of the greater interest being showed in them because of their novelty, they have run off more slowly than the singles.

Captain Wigglesworth has the opportunity to prove his right to the captaincy of this year's team by winning the tournament. Last year he was defeated in the finals by Doleman, but Doleman was declared ineligible for the team due to his previous connections at Tufts. Other seeded players have done well in the tournament and will add materially to the strength of the team next spring.

Results of Past Meets With U. of N. H. Runners

Varsity
1925 New Hampshire 31; M. I. T. 34
1926 M. I. T. 25; New Hampshire 31
1927 New Hampshire 24; M. I. T. 31
1928 New Hampshire 20; M. I. T. 39

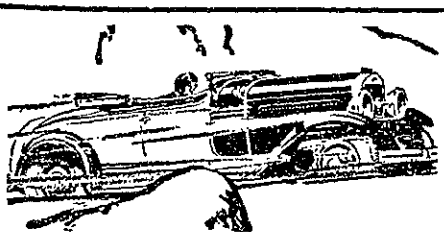
Freshman
1925 M. I. T. 26; New Hampshire 29
1926 New Hampshire 16; M. I. T. 39
1927 New Hampshire 15; M. I. T. 49
1928 New Hampshire 19; M. I. T. 37
Note: Low score wins.

RADIO SOCIETY WILL DISCUSS CONDUCTION

Presenting a talk on "High Frequency Conduction in Gases," Mr. C. G. Smith of the Raytheon Company will address the monthly meeting of the Radio Society at five o'clock this afternoon in Room 10-275. An experimental demonstration of the subject is to be given by Mr. G. E. Howard of amateur station WIKR.

In connection with his work with the Raytheon Company in making various types of radio tubes, Mr. Smith has attained a wide experience in the conduction of gases at high frequencies, and the society welcomes all Institute radio fans to hear the lecturer of the evening, as well as see the accompanying demonstration.

The new Student Directory is nearing completion, after nearly a month of preparation. This year's Directory will be practically the same as last year's, only slightly larger due to the increased enrollment of the Institute. There are six thousand copies being printed, and when they finally make their appearance, the students may have them upon application at the Information Office. The Directory will contain the calendar of the school for the next two years; members of the Corporation; officers of Administration and instruction; instructing members of the staff in the order of their departments; and the alphabetical list of officers and students of the Institute.



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Sports Desk

It is a strange and unfortunate fact that the number of spectators at most Technology athletic events may be counted on the fingers. This may be in part due to late classes, activities, or participation in other sports by the men who are interested in such things, but there are many, on the other hand, who would rather spend an afternoon in a movie house than enjoy a game in the open air.

There can be no complaint that the games and meets are not worth the time spent in watching them; anyone who saw the Technology-Harvard soccer game on Tuesday will tell the world that it was full of thrills from start to finish. The small group of on-lookers, mostly substitutes, were on their toes every minute and showed great enthusiasm. The players themselves carried on the game as though they thoroughly enjoyed it, and showed spirit that is seen too infrequently at Technology. But why limit this enthusiasm to the players and a handful of spectators? It is a Technology team—and a good one. Let's all get out to see the next game, and see for yourself what it is like.

And that forward line surely is a fast combination. Schultz, Kashemsanta, Fragiocomo, Velez, and Vibul all ran circles around the Harvard defense, but lacked the necessary teamwork to put the ball into the net. With a little more practice they should be able to hold their own with the best.

The defense also played their part well. Wyman, Riehl, and Captain Hawkins made some pretty stops when it looked like a certain score for Harvard, and the onlookers gave many a sigh of relief.

Another illustration of the good spirit shown by Technology athletes was the hand-in-hand finish by Thorsen and Gilman in the handicap run last Saturday. Gilman, who is rapidly becoming a wonderful little runner, kept pace with his captain during the entire race. On the last lap, when he was beginning to feel the effect of a hard race, they two men could be seen giving words of encouragement to each other. Then, when they reached the home stretch, Thorsen, who had a little more strength left, took his running mate by the hand and literally pulled him across the line in a dead heat. That is the true spirit of sportsmanship.

And then there were the slower men in the race, whose best was not enough to win them a place among

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Graduate Men in Course VI-A Now Doing Field Work

Gaining Practical Experience In Use of Electricity By Industry

Graduate students of the Institute who are taking the cooperative course in Electrical Engineering are now doing work out in the field. All of these men are holding positions with large corporations in order to get the maximum amount of benefit from the practical applications of their studies. Several among this group are doing work of a more or less experimental nature along the line of improvements in the present industrial uses of electricity.

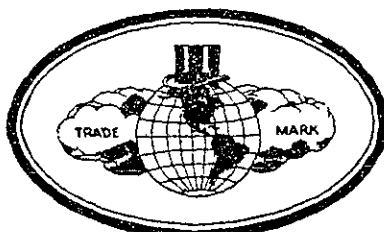
Bearce at Lynn Works

At the Lynn Works of the General Electric Company, is Winfield H. Bearce '29, who is working in the Compressor Engineering Department. Bearce is making a detailed study of the thermo-dynamics and mechanics of steam turbines. At the present he is engaged in making up charts of empirical data, and is studying their use in the design of turbines.

Newton W. Bryant '29 and Roger A. Sykes '29 are working in the laboratories of the Bell Telephone Company. Bryant is making a study of apparatus to determine noise protection in telephone circuits. Sykes is making a special study of electric wave filters and the use of crystals as circuit elements.

the leaders. Some of them strained every muscle in their aching bodies in an effort to beat the man ahead of them, or to avoid being the last to finish. Any one who has experienced the agonizing hopeless feeling at the end of a losing race can appreciate the courage and spirit required to finish in a sprint.

The swimmers, who have to go to the University Club to practice, bid fair to build up one of the best teams in the East and out-do their record of last season. And the crew candidates, even those who are ineligible, get up to the boathouse at 7 o'clock to get their daily practice. All this reveals a strong love of pure sport. Why should it be limited to athletes alone?



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Lack of Books Brings Wrathy Words of Prof

"Some member of this department will come to no good end," remarked a certain Professor of the English Department in opening his class yesterday, "for he has walked away with my book again. Will some of you gentlemen in the front row loan me one?" To his horror and dismay, none of these gentlemen could comply with the request. Undaunted, however, he placed a quiz requiring the use of a book on the board and then triumphantly departed from the room to return in a few minutes with his own volume. Poetic license no doubt allows the forgetting of books by professors while the reward for students is unannounced quizzes.

Samuel J. Levine '29, has a position at the Pittsfield works of the General Electric Company. He is working in the department of single phase induction Motors, and is continuing design work which he began this past summer.

Richard R. Wolfe '29 is working with the Marine and Aircraft Engineering Department of the General Electric Company at Schenectady. He is engaged in a study of the differences between electric and steam ship propulsion. Besides this he is preparing specifications and diagrams for submarine and ship controls.

Arthur J. Williams '29 has a position in the engineering offices of the Edison Electric and Illuminating Company.

Two physics students at Ohio University, after several months of patient work, have succeeded in measuring the mean wavelength of sodium light by means of the Michelson Interferometer, an instrument especially designed for the measurement of distances of the order of one-hundred-thousandth of an inch. This is the first time that this experiment has been successfully performed by college students, lacking the fine equipment which enabled Michelson to perform it first.

SQUASH TEAM CALLS FOR CONTRIBUTIONS

Participants Asked to Pay \$1 Each Toward Expenses

According to a communication received from Winslow V. Fitch '31, manager of the Technology Squash Team, that organization has been unable to obtain financial support from the Budget Committee of the M. I. T. A. A. and has found it necessary to solicit funds among the members. In order to enable the Institute team to enter the Massachusetts Squash Racquets Association, and to provide funds for other miscellaneous uses, Manager Fitch has been authorized to collect a donation of one dollar from each interested participant in the squash tournament. Some of this money has already been collected, but Fitch has been unable to see all the men. He therefore urges all those who have not yet given to turn in their money to Mr. Molder, Assistant Squash Coach, before tomorrow.

A chemistry instructor at Alabama Polytechnic Institute explains the propensity of his students for extended "bull sessions" by the fact that oxygen forms about two-thirds of the human body, and is, under ordinary conditions, a gas. Therefore since the majority rules, it is inevitable that a majority of the students should spend their time in "gassing."

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NOTICES - ANNOUNCEMENTS Of General Interest

Government Aids to Business **Mr. E. A. Kekich**
Saturday, November 9, 10 A. M., Room 1-190

Mr. E. A. Kekich of the Bureau of Foreign Commerce will speak to the class in Business Management on the subject 'Government Aids to Business.' The lecture is open to students and members of the instructing staff.

Standardization **Pres. S. W. Stratton**
Wednesday, November 13, 9 A. M., Room 1-190

Pres. S. W. Stratton will speak to the class in Business Management on the subject 'Standardization.' The lecture is open to students and members of the instructing staff.

The exercises of the Institute will be omitted on Monday, November 11, as noted on Page 33 of the Catalogue.

CALENDAR

Friday, November 8

3:00—Illustrated lecture on "Mechanical Fabrics", Room 10-250
5:00—Song Book Committee Meeting, Committee Room, Walker
5:00—Photographic Society Meeting, Room 5-130
5:00—Radio Society Meeting, Room 10-275
8:00—Technology Catholic Club Dance, North Hall, Walker

Saturday, November 9

10:00—Lecture on "Government Aids to Business", Room 1-190
2:00—Tectonion Rehearsal, North Hall, Walker

Monday, November 11

5:00—Instrumental Club Rehearsal, East Lounge, Walker

Tuesday, November 12

6:00—Class of 1908, Dinner Meeting, Faculty Dining Room, Walker
6:00—T. E. N. Smoker, North Hall, Walker
7:30—Tech Show Chorus Rehearsal, North Hall, Walker

Wednesday, November 13

9:00—Lecture on "Standardization", Room 1-190

Notices

SECTION LEADERS

All freshman section leaders please bring receipt books and money for Song Book to the Information Office as soon as possible.

WALKER MEMORIAL COMMITTEE

The Walker Memorial Committee announces that as a result of the annual competition for the four Sophomore positions on the committee, the following have been elected: Robert G. Henry, Jr., Eustace B. Corson, Carroll S. Wilson, and Harold P. Lawton.

MANY CHANGES ARE MADE IN COURSE II

**Testing Materials Laboratory
Installs New Materials
Testing Machine**

During the past year there have been several changes of staff and equipment in Course II, and various members of the staff have made trips to industrial plants.

Professor Fales of the Automotive Laboratory has been granted a year's leave of absence, to begin November

Men From Whom Freshmen Will Make Choice For Their Officers

Approved nominations for officers of the Class of 1933 are as follows:

President

Peyton G. Cooper
Edward L. Dame
Clarence W. Farr
Silas S. Hapgood
Radio M. Hisamoto
Wilbur V. Hunt

Samuel E. Lambert, Jr.
John I. Lynch
David R. McGregor
Henry L. Moore
William E. Rand
John W. Regan

Vice President

Thomas M. Chadwick
Elbert G. Frost
Rodman P. Getty
Robert A. Ghelardi
Herbert M. Larrabee
Edward R. Loftus

John E. Logan
John D. Milburn
Richard S. Morse
Franklin M. Peck
John C. Russell
Robert W. Tripp

Secretary

David Ballantine
Paul E. Davis
Gilbert A. Gurowich
Frederic F. Hayley

Gerald C. Hudson
John G. Mesker
Leighton R. Richards
Robert M. Rossi

Charles P. Woods

Treasurer

Jack F. Andrews
Arthur S. Brown
Stanley L. Brown
Newton W. Buerger
Ralph E. Cross

Pierre S. duPont, 3rd.
John A. Evans
Douglas Hart
Ralph Hayden, Jr.
Robert M. Trimble

Institute

David L. Babcock
C. W. Ball
Edward L. Bateman
Charles C. Bell
Morris L. Brown
George W. Denison
G. Russell Eddy
Melvin B. Ellis
J. Randolph Fox, Jr.
Fred L. Haas
Willard J. Hall
Lawrence H. Huron

Committee

Wilber B. Huston
Foster R. Jackson
Richard C. Marcy
Charles E. Quick
Morris L. Rubin
John D. Rumsey
Edward W. Sann
Lambert G. Snow
Charles B. Stearns
Richard G. Taylor
Francis F. Wagner
Mortimer P. Williams

Executive

H. Page Beers
Charles B. Britton
Harold A. Butters, Jr.
Gene Cary
Fred H. Cooper
Jack Conch
Walter R. Duncan
Louis H. Flanders
Richard L. Fosset
William B. Goodhue
William A. Grey
Reuben M. Hurt

Committee

Asa H. Jewell
William A. Kilbourn
Gerard M. Kincade
Henry B. Kroger
Harold Lazar
George L. Lovejoy
James P. Mills
William D. Moore
Humphrey Nolen
Benjamin F. Sands
Robert F. Shepherd
Raymond J. Theriault
Edward F. Chieler, Jr.

1. He also will take H. F. King '26, and H. S. Root '28 as assistants.

New assistants to Professor Eames of the Steam Laboratory are: E. H. Abbe, C. P. Kittredge, L. L. deFabritis, and C. M. F. Petersen.

Among the men who have left the staff of the Institute are: M. C. Swift, formerly Professor Fales' assistant, is with Pratt & Whitney Co., of Hartford, Conn., and is working on the development of the Wasp engine; E. S. Gray, formerly Professor Berry's assistant, is now Associate Professor of Thermodynamics at the University of Missouri.

N. N. Alexandroff, who was an instructor in Mechanical Engineering, is an Assistant Professor at the Junior College of Bridgeport, Conn. C. L. Petts, Jr., formerly assistant to Professor Fales, has also left the Institute staff, but it is not known what he is doing now.

Professor E. F. Miller, in charge of Course II, visited the dynamite plant, power plants and dye works of the E. I. du Pont de Nemours Co., of Wilmington, Del., on Tuesday, October 22. Professor R. H. Smith attended the convention of the Machine Tool Manufacturers at Cleveland, Ohio, the week of October 14.

The 400,000 pound Riehle testing machine in the Testing Materials Laboratory, which was installed new when the present Institute buildings were built, has been replaced by a new machine of the same capacity but of later design, having three pulling screws instead of one. The new machine was erected and in service by September 1.

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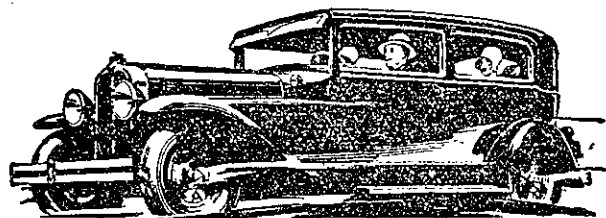
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Vol. XLIX—No. 63

CAMBRIDGE, MASS., FRIDAY, NOVEMBER 8, 1929

Field Day Rotogravure Section

SOPHOMORES WIN FIELD DAY BY SCORE OF 7-6



UPPER LEFT: A Bit of Action in the Field Day Football Game Last Friday. The Sophomores Won the Game by the Decisive Score of 19-0. The freshman Carrying the Ball Very Nearly Broke Through the Sophomore Line for a Touchdown at this Point.

UPPER CENTER: The Crew Race Between the Rivals on Field Day Morning. Those who Turned Out Early Enough saw the Sophomores Defeated by a Length.

UPPER RIGHT: During the Progress of the Glove Fight. More Sophomores Entered the Glove Fight this Year than Ever Before, and they Went About it so Systematically that the freshmen Won by Only Two Gloves.

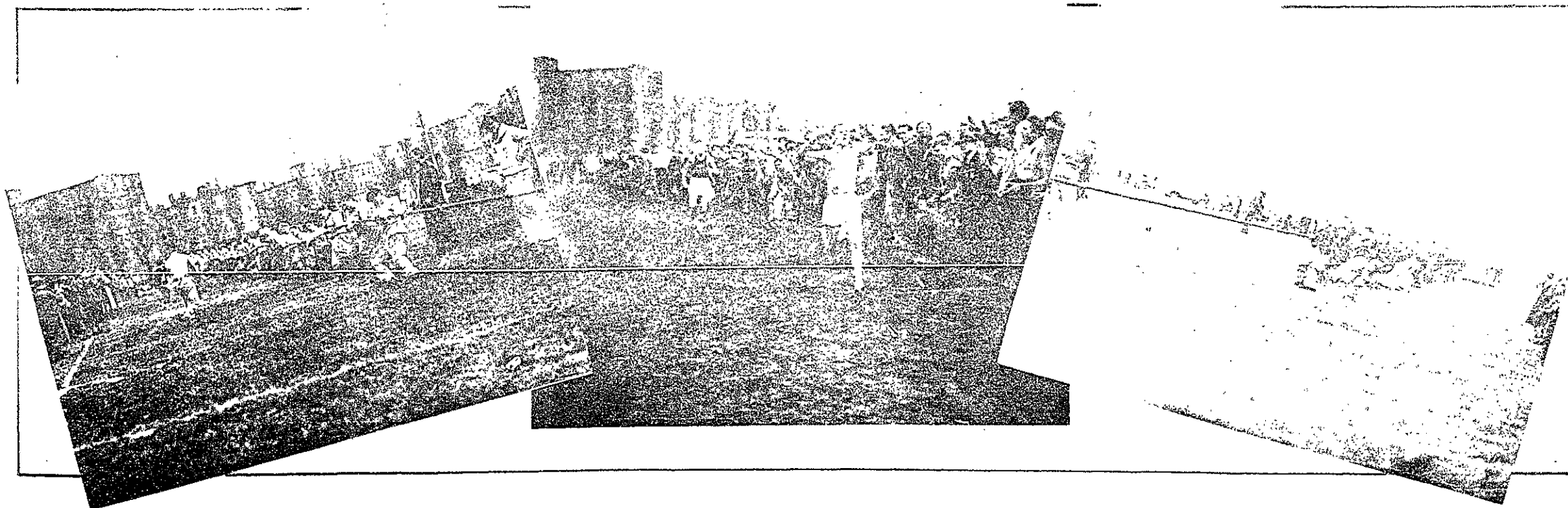


CENTER: The Victorious freshman Crew. Left to Right. They are: Edward A. Trimbie, Charles E. Miller, Charles C. Bell, Rowland D. Glenn, Cyrus S. Hapgood, Basil Martin, John W. Regan, Edward A. Thiel, Cox, Nathaniel P. Green.

LOWER CENTER: The Finish of the Relay Race. With the Winning freshman Leading his Opponent by Five Yards. Although a Long Lead was Gained by the freshmen in the First Part of the Race, the Space nearly Closed Before the End of the Race.

LOWER RIGHT: The Sophomore Tug-of-War Team. Which Defeated the freshmen in Both Pulls. The Sophomores Evidenced Better Cooperation than the freshmen, and Showed Themselves More Experienced.

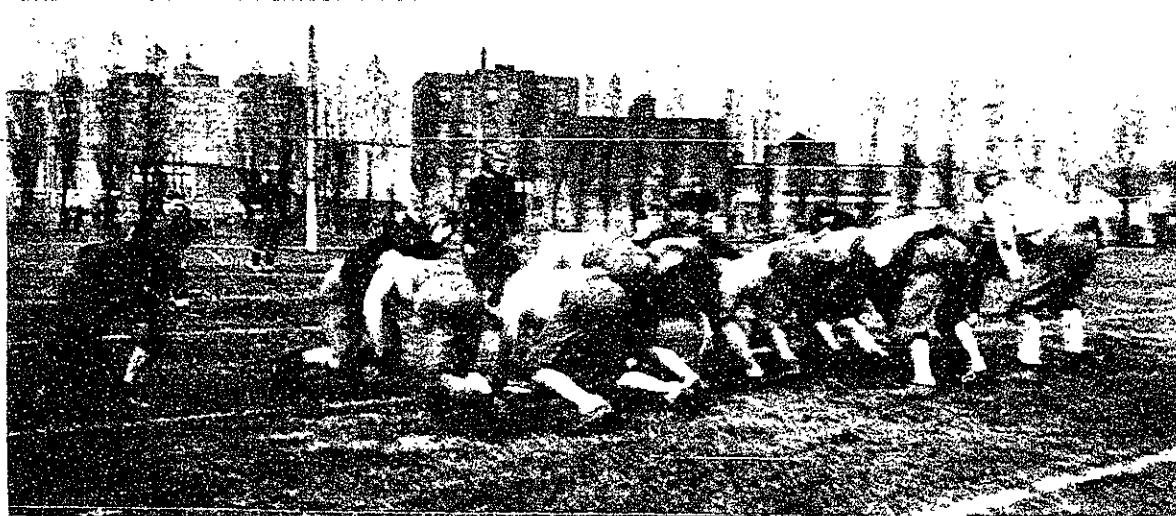
LOWER LEFT: The freshman Tug-of-War Team. Some of the Yearlings Merely Leaned on the Rope and Forgot to Follow the Captain.





UPPER LEFT: One of the Many Impromptu Struggles Between the Classes During the Progress of the Football Game. Some of the Marshals Came Out of These Scraps as Badly Off as the Participants.

UPPER CENTER: Taken During the Glove Fight. The Blackened Face is the Result of the Mud-throwing Contest that Took Place the First of the Afternoon.



UPPER RIGHT: When the freshmen Brought their Mascot on the Campus, in the Shape of a Huge Dummy, they were Attacked by the Sophomores. Some of the Sophomores Carried Eggs and Vegetables to the Roof of Building 8, and with a Concerted Bombardment, they Dispersed the Whole Crowd. The Dummy Remained with the freshmen Until Field Day was Over, When it was Ceremoniously Drowned in the Charles.

RIGHT: From the freshman Point-of-View in the Football Game. Although they Played Well and Made Quite a Few First Downs, the freshmen Lost to the Sophomores.



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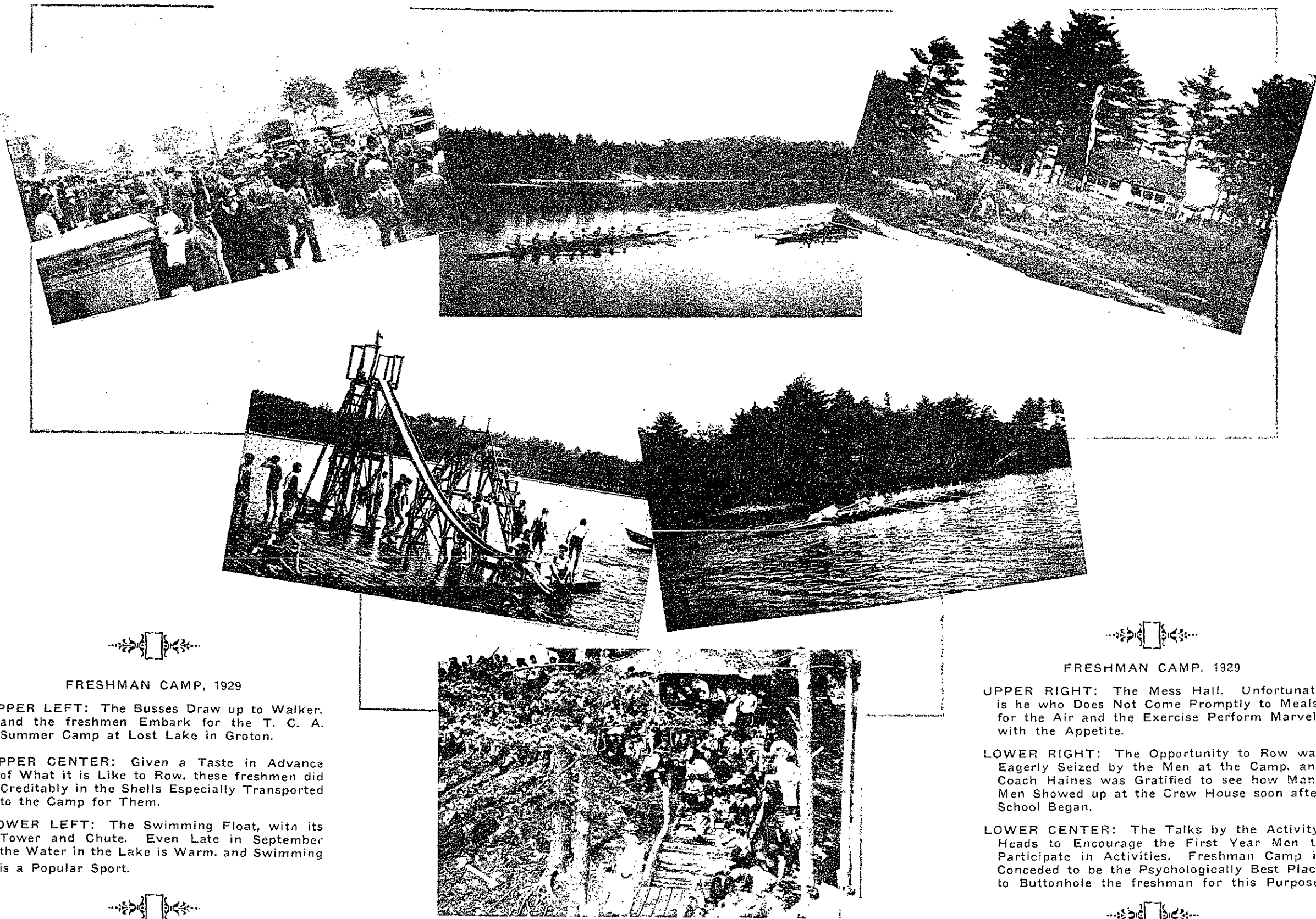
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FRESHMAN CAMP, 1929

UPPER LEFT: The Busses Draw up to Walker, and the freshmen Embark for the T. C. A. Summer Camp at Lost Lake in Groton.

UPPER CENTER: Given a Taste in Advance of What it is Like to Row, these freshmen did Creditably in the Shells Especially Transported to the Camp for Them.

LOWER LEFT: The Swimming Float, with its Tower and Chute. Even Late in September the Water in the Lake is Warm, and Swimming is a Popular Sport.

FRESHMAN CAMP, 1929

UPPER RIGHT: The Mess Hall. Unfortunate is he who Does Not Come Promptly to Meals, for the Air and the Exercise Perform Marvels with the Appetite.

LOWER RIGHT: The Opportunity to Row was Eagerly Seized by the Men at the Camp, and Coach Haines was Gratified to see how Many Men Showed up at the Crew House soon after School Began.

LOWER CENTER: The Talks by the Activity-Heads to Encourage the First Year Men to Participate in Activities. Freshman Camp is Conceded to be the Psychologically Best Place to Buttonhole the freshman for this Purpose.

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Graduate Courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy, Doctor of Science, and Doctor of Public Health are offered. The Courses leading to the degree of Master of Science include Co-operative Courses in Chemical Engineering Practice and Fuel and Gas Engineering.

The better high schools and other preparatory schools in the United States offer adequate preparation for the required entrance examinations given by the College Entrance Examination Board in June, or by the Institute in September.

Graduates of colleges or of scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding approximately to at least one year's work at the Institute, are admitted to such advanced standing as is warranted by their previous training, and are given credit for our required subjects, including the entrance requirements, so far as they have been satisfactorily completed.

The Summer Session extending from June to September includes most of the subjects given during the academic year and in addition special courses for teachers.

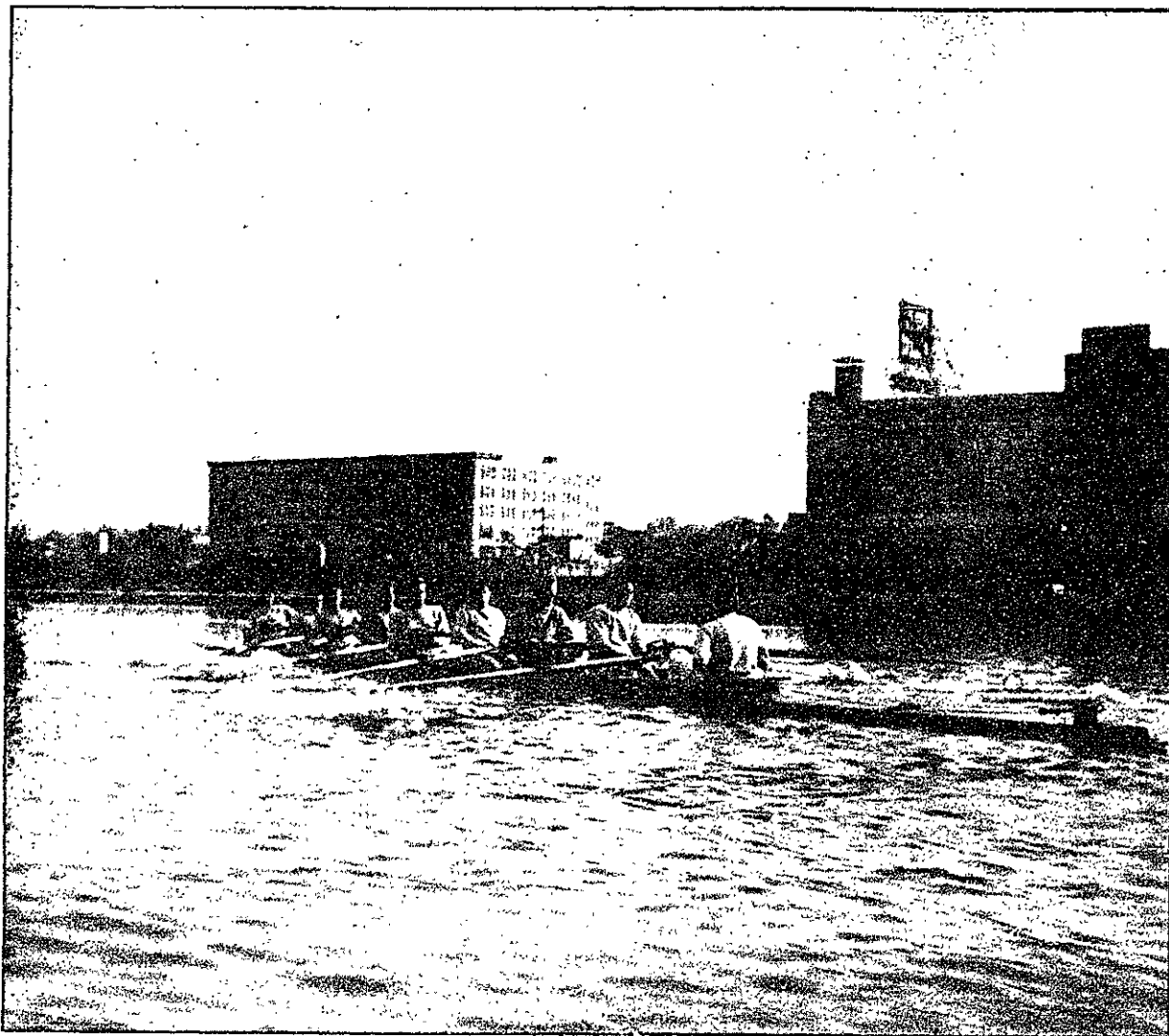
Any of the following publications will be sent free upon request:

Catalogue for the Academic Year (which includes the admission requirements).

Summer Session Catalogue.

Graduate Study and Research.

**Correspondence should be addressed to
The Massachusetts Institute of Technology**



LEFT: The First Time on the Charles. This is the freshman Crew as it Appeared on the First Time Out. Several of the Men Looked as if they Might Feel more at Home on Land, and there was some Splashing and Crab-catching, but the frosh were Quick to Learn, and Now Work Together Well. The Competition Between the Crews is Keen this Year, because not only are the Lesser Crews Evenly Matched, but the Varsity and the Jay Vees Take Turns at Supremacy.



RIGHT: The freshman Football Team. The Spirit and Pep of the Team was Notable, and it was only Due to Greater Weight and More Experience that the Sophomores Downed them. There was some Question as to whether the Football Game Counted Four Points or Five Toward the Final Field Day Score. The Athletic Association was Found to have the Last Word in this Case, and the Old Rating of Five Points held. This gave the Victory to the Sophomores instead of the freshmen, with the score 7-6.

Hickey-Freeman CUSTOMIZED CLOTHES

The well-known Hickey-Freeman line is much the closest to custom-made garments that it is possible to find among ready-to-wear clothes. Particularly fine woollens are used—styles are correct—tailoring careful. Three-piece suits in such materials as Cheviots, Tweeds, Unfinished Worsteds and Shetlands range from \$50 to \$65.

OTHER MAKES

There is a large choice of suits with two pairs of trousers at three standard prices\$39.50, \$49.50, \$59.50

Also, many three-piece suits in conservative styles with big choice of patterns and colors

Smithson Serges at\$37.50

Ready-to-wear tuxedos and dress suits in good quality worsteds are priced\$39.50, \$49.50 and \$75.00

OVERCOATS AND TOPCOATS

Among the coats in the ready-to-wear department are both Hickey-Freeman custom models, the widely known Mandelberg line and Adler-Rochester. Harris Tweeds, Shetlands and Cheviots are a few of the materials available in both raglan and straight shoulder styles. The range of prices is wide, running from \$39.50 to \$75.

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